## GoPal® E24

The GoPal AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated material transportation



robotize

## **TECHNICAL SPECIFICATIONS**

## GoPal® E24

## **APPLICATION**

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets with medium-to-heavy payload (max. 1000 kg).

#### **DIMENSIONS**

Length x Width x Height 1400 x 860 x 340 mm

Mass 187 kg

## **PERFORMANCE**

Battery time (autonomy) 6-14 hours or 20 km\* Maximum speed 2,4 m/s (8,6 km/h)\*

Turning radius (from robot centre) 950 mm

## **SAFETY**

Laser scanners (360° protection)

Mechanical bumper (360° protection)

4 x emergency stop buttons

## ADDITIONAL OBSTACLE AVOIDANCE SENSORS

3 x 3D cameras (two front facing and one rear facing)

#### **BATTERY**

Type / Voltage LiFePO<sub>4</sub> / 48 V

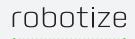
Charge time 45 minutes (full charge)

Number of charges About 5000

## **CHARGER INTERFACE**

Automatic docking interface (at robot front)

Connector for manually charging (at robot rear)



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## COMMUNICATION

Wi-Fi 802.11ac

## **ENVIRONMENTAL**

Operating temperature -10°C to +45 °C

Humidity (max.) 95% (non-condensing)

## **FLOOR REQUIREMENTS**

Slope average (max.) Near-level (2 %)

Friction coefficient (min.) 0,60
Edge height (max.) 4 mm

## **LOAD**

 Payload (max.)
 1000 kg

 Length (max.)
 1240 mm

 Width (max.)
 820 mm

 Height (max.)
 2400 mm\*

## **PALLET TYPES**

Standard Euro-pallets and Standard half Euro-pallets. Others on inquiry.

## **PALLET CONDITION**

Undamaged, original strength maintained (grade A or B)

## **LANE CONDITIONS**

Minimum lane width 1200 mm

Recommended lane width 2100 mm

High speed lane width 2800 mm



<sup>\*</sup>depending on load conditions.

# robotize

Advanced internal logistics made safe and simple